WHAT IS CLAIMED IS:

- 1. A disc drive comprising:
 - a selection means for positioning a transducer at a select point in space; and
 - a conducting means for providing electrical connection between the transducer and an external circuit.
- 2. A flexible circuit comprising an electrically conductive element and a dielectric liquid crystal substrate laminated to the conductive element.
- 3. The flexible circuit of claim 2 wherein the conductive element comprises copper.
- 4. The flexible circuit of claim 2 wherein the dielectric liquid crystal has a thickness less than about 0.001 inches.
- 5. The flexible circuit of claim 2 wherein the dielectric liquid crystal has a thickness from about 0.0001 in to about 0.0005 in.
- The flexible circuit of claim 2 wherein the dielectric liquid crystal substrate comprises a polyester.
- 7. The flexible circuit of claim 2 wherein the dielectric liquid crystal substrate has a dielectric constant from about 2.6 to about 3.0.
- 8. The flexible circuit of claim 2 wherein the dielectric liquid crystal substrate has a coefficient of thermal expansion from about 15 ppm/°C to about 19 ppm/°C.
- 9. The flexible circuit of claim 2 wherein the dielectric liquid crystal substrate has a coefficient of humidity expansion of less than about 4 ppm/%relative humidity.



10. The flexible circuit of claim 2 wherein the dielectric liquid crystal substrate has an elastic modulus from about 900 kpsi to about 1300 kpsi.

- 11. The flexible circuit of claim 2 further comprising a cover coating forming protective coating over at least a portion of the conductive element.
- 12. The flexible circuit of claim 2 wherein the liquid crystal substrate comprises a thermoplastic.
- 13. A suspension assembly comprising a transducer head supported on an adjustable arm and a flexible circuit of claim 1 wherein the flexible circuit is electrically connected to the transducer head.
- 14. A disc drive comprising at least one data storage disc and a suspension assembly of claim 13.
- 15. The disc drive of claim 14 wherein the data storage disc comprises a magnetic disc.
- 16. A method for producing a flexible circuit comprising joining a dielectric liquid crystal polymer substrate to an electrically conductive element.
- 17. The method of claim 16 wherein the electrically conductive element is heat welded to the liquid crystal polymer substrate.
- 18. The method of claim 16 wherein the liquid crystal polymer substrate comprises a thermoplastic.
- The method of claim 16 further comprising applying a cover element over the electrically conductive element.
- 20. A method for making a disc drive comprising forming a flexible circuit using the method of claim 16.

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